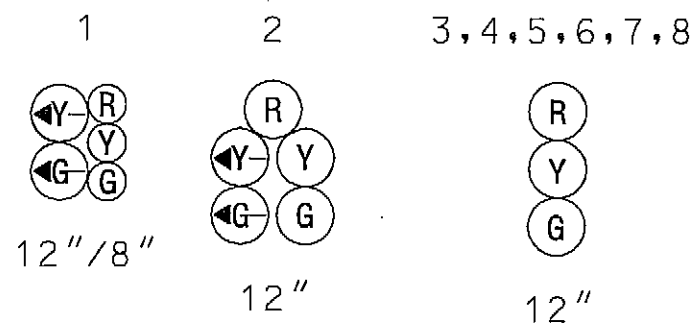
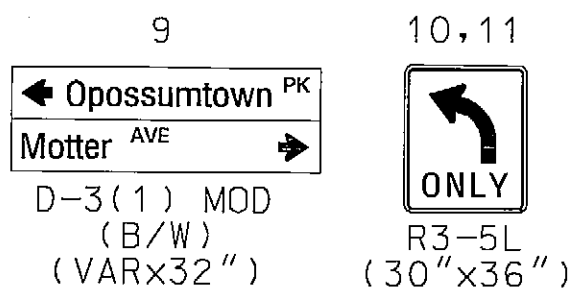


OPOSSUMTOWN PIKE IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION

PROPOSED LED SIGNALS



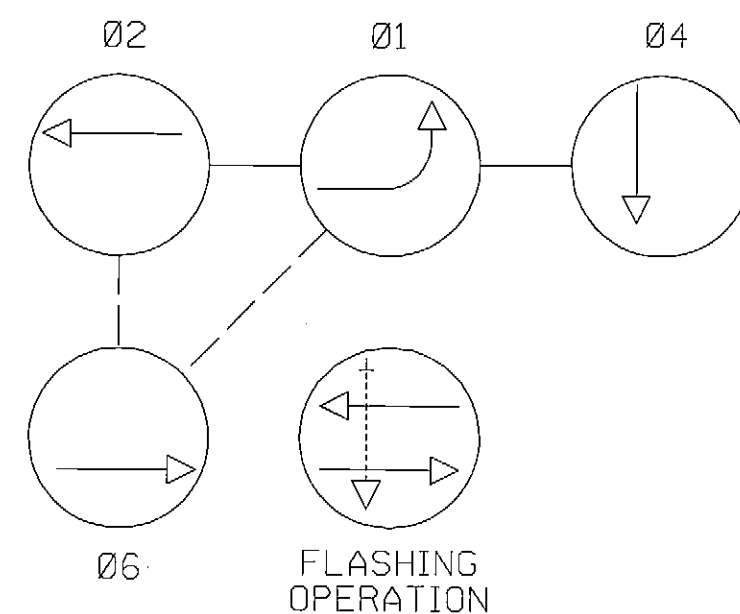
PROPOSED SIGNS



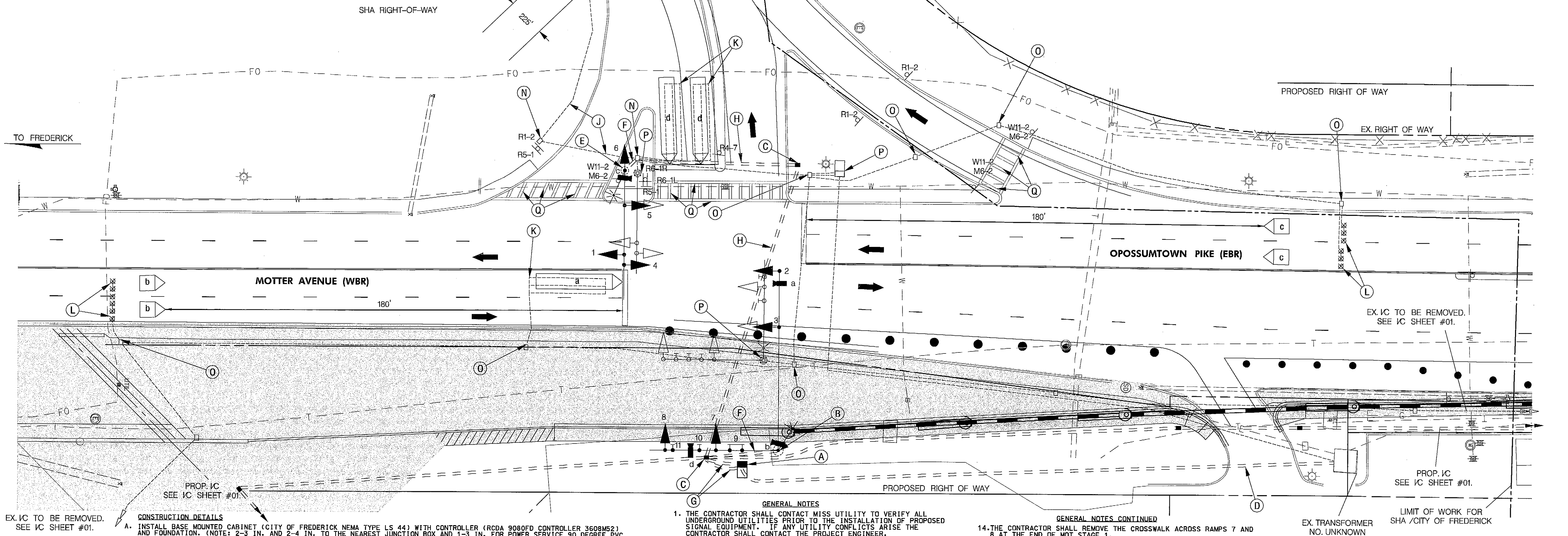
PROPOSED VIDEO DETECTION

a,b,c,d

NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.
3. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
4. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF FREDERICK/MSHA STANDARDS.
5. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. ALL GEOMETRIC MODIFICATIONS WILL BE CONSTRUCTED BY THE ROADWAY CONTRACTOR. THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE WITH THE ROADWAY CONTRACTOR AS NECESSARY.
8. PROPOSED UNDERGROUND POWER FEED TO BE INSTALLED BY THE POWER COMPANY. CONTRACTOR TO COORDINATE ALL SERVICE REQUIREMENTS AND CONNECTIONS WITH THE LOCAL POWER COMPANY.
9. THE CABINET FOUNDATION SHALL BE INSTALLED PER CITY OF FREDERICK STANDARDS. SEE STANDARD NO. E-178 THROUGH E-188 FOR DETAILS.
10. THE CONTRACTOR SHALL INSTALL ALL CONDUIT PRIOR TO SIDEWALK AND RAMP CONSTRUCTION.
11. VIDEO CAMERA LOCATION ALIGNING SHALL BE COORDINATED WITH THE CITY OF FREDERICK LIGHTING AND SIGNAL DEPARTMENT. THIS SHALL BE INCIDENTAL TO THE MAINTENANCE OF TRAFFIC ITEM.
12. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL UNTIL THE RECONSTRUCTED TRAFFIC SIGNAL IS OPERATIONAL. (SEE TRAFFIC CONTROL PLANS FOR DETAILS ON MAINTENANCE OF TRAFFIC.)
13. UNDERGROUND UTILITIES SHOWN ARE EXISTING AND MAY CHANGE PER UTILITY RELOCATION PLANS UNDER DEVELOPMENT. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING AND PROPOSED UTILITIES PRIOR TO ANY AND ALL EXCAVATION. WITH DIRECTION FROM THE ENGINEER, THE CONTRACTOR SHALL USE SPECIAL CAUTION IN AREAS WHERE UTILITY CONFLICTS MAY EXIST.

GENERAL NOTES CONTINUED

14. THE CONTRACTOR SHALL REMOVE THE CROSSWALK ACROSS RAMPS 7 AND 8 AT THE END OF MOT STAGE 1.
15. THE PROPOSED METER LOCATED ON THE PROPOSED CABINET SHALL BE 100 AMPS.
16. ANY LANE AND/OR ROAD CLOSURES REQUIRE 4 WEEKS ADVANCE NOTICE AND A PERMIT FROM THE CITY OF FREDERICK TRAFFIC ENGINEER. THE CITY TRAFFIC ENGINEER CAN BE REACHED BY PHONE AT 301-600-1498.
17. IF ROAD OR ANY PART OF ROAD IS TO BE CLOSED, A DETAILED DETOUR AND/OR CLOSURE PLAN SHALL BE SUBMITTED TO THE CITY TRAFFIC ENGINEER FOR APPROVAL.
18. THE PROPOSED CABINET AND CONTROLLER SHALL BE DELIVERED TO THE CITY OF FREDERICK SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR KENNETH OTT AT 301-600-1167 TO COORDINATE.

WORK AREA STAGE 1 MOT

| APPROVALS | REVISIONS |
|------------------|--|
| TEAM LEADER | 20 FULLY RECONSTRUCT TRAFFIC SIGNAL FOR STAGE 1 MOT. |
| ASSY. DIV. CHIEF | TMS# 1976 SHA NO. FR4105190 08/20/11 |
| DIVISION CHIEF | EXT. US 15 RAMP 7/8 |
| OFFICE DIRECTOR | |

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

SOUTHBOUND US 15 RAMP AT MOTTER AVE/OPOSSUMTOWN PIKE
MOT STAGE 1

TEMPORARY SIGNALIZATION PLAN

SCALE: 1" = 20' ADVERTISED DATE: FEB. 9, 2004 CONTRACT NO. _____

DESIGNED BY _____ COUNTY: FREDERICK

DRAWN BY T. ZAYDEL LOGMILE: 10001514.60

CHECKED BY K. SCHMID TMS NO. _____

F.A.P. NO. SEE TITLE SHEET TOD NO. _____

TS NO. 4254A1

DRAWING SG-05 OF 21

SHEET NO. OF

STV
STV Incorporated
7125 Ambassador Road, Suite 200
Baltimore, MD 21244
www.stvinc.com

| UTILITY LEGEND | | | |
|----------------|------------------|-------------|-------------|
| — E — E — | ELECTRIC CABLES | — SD — SD — | STORM DRAIN |
| — A — A — | AERIAL CABLES | — G — G — | GAS MAIN |
| — T — T — | TELEPHONE CABLES | — W — W — | WATER MAIN |
| — F — F — | FIBER-OPTIC | — S — S — | SEWER MAIN |

| GEOMETRIC LEGEND | |
|------------------|----------|
| — — — — — | PROPOSED |
| — — — — — | EXISTING |

BY: Youngsd

PLOTTED: Thursday, August 18, 2011 AT 10:35 AM
FILE: I:\PROJECTS\4014255\4014255_0037\Drawings\TRA\405_p05-F004_Mottor.dgn